



A.D. 1862, 6th SEPTEMBER.

N° 2464.

S P E C I F I C A T I O N

OF

EMMA LOUISA DUNCAN.

—
SPLINTS.
—

L O N D O N :

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,

PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY :

PUBLISHED AT THE GREAT SEAL PATENT OFFICE,

25, SOUTHAMPTON BUILDINGS, HOLBORN.

Price 4d.

1863.



A.D. 1862, 6th SEPTEMBER. N^o 2464.

Splints.

LETTERS PATENT to Emma Louisa Duncan, of Inverness Road, Bayswater, in the County of Middlesex, for the Invention of “**IMPROVEMENTS IN THE MANUFACTURE OF SPLINTS.**”

Sealed the 3rd March 1863, and dated the 6th September 1862.

PROVISIONAL SPECIFICATION left by the said Emma Louisa Duncan at the Office of the Commissioners of Patents, with her Petition, on the 6th September 1862.

I, EMMA LOUISA DUNCAN, of Inverness Road, Bayswater, in the County of Middlesex, do hereby declare the nature of the said Invention for “**IMPROVEMENTS IN THE MANUFACTURE OF SPLINTS,**” to be as follows :—

This Invention consists of certain improvements in the manufacture of splints, whereby a lighter and cheaper splint can be produced than those ordinarily in use.

10 I propose to form the splint of a strong cotton fabric padded with wool or cotton wadding, or with layers of any soft fabric, and to apply and fasten to the back thereof, in order to maintain its position and strength, any kind of cane, such as ratan, bamboo, or jungle cane, either split or entire, and in longitudinal rows or layers, the cane being sewn in under the material forming
15 the back of the pad, which then presents a fluted or grooved surface.

In making cradles or slings for the arm, I apply cane at the backs thereof instead of leather, gutta percha, and india-rubber, the seating of the elbow

Duncan's Improvements in the Manufacture of Splints.

only to be made in the ordinary manner with metal. The splints may be made of any size and form to suit the various applications for which they are required.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed by the said Emma Louisa Duncan in the Great Seal Patent Office 5 on the 6th March 1863.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, EMMA LOUISA DUNCAN, of Inverness Road, Bayswater, in the County of Middlesex, send greeting.

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters 10 Patent, bearing date the Sixth day of September, in the year of our Lord One thousand eight hundred and sixty-two, in the twenty-sixth year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said Emma Louisa Duncan, Her special licence that I, the said Emma Louisa Duncan, my executors, administrators, and assigns, or such others 15 as I, the said Emma Louisa Duncan, executors, administrators, and assigns, should at any time agree with, and no others, from time to time and at all times thereafter during the term therein expressed, should and lawfully might make, use, exercise, and vend, within the United Kingdom of Great Britain and Ireland, the Channel Islands, and Isle of Man, an Invention 20 for "**IMPROVEMENTS IN THE MANUFACTURE OF SPLINTS**," upon the condition (amongst others) that I, the said Emma Louisa Duncan, my executors or administrators, by an instrument in writing under my, or their, or one of their hands and seals, should particularly describe and ascertain the nature of the said Invention, and in what manner the same was to be performed, and 25 cause the same to be filed in the Great Seal Patent Office within six calendar months next and immediately after the date of the said Letters Patent.

NOW KNOW YE, that I, the said Emma Louisa Duncan, do hereby declare the nature of my said Invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following 30 statement:—

This Invention consists of certain improvements in the manufacture of splints, whereby a lighter and cheaper splint can be produced than those ordinarily in use.

I propose to form splints of a strong fabric padded with wool or cotton 35 wadding, or with layers of any soft fabric, or the padding may in some

Duncan's Improvements in the Manufacture of Splints.

instances be dispensed with. I also apply and fasten to the back of these splints (in order to maintain their position and strength) any kind of cane, such as ratan, bamboo, or jungle cane, either split or entire, and in longitudinal rows or layers, the cane being sewn in under the material forming the back of
5 the pad, which then presents a fluted or grooved surface; or the cane may be wound or interlaced so as to unite their series in a parallel position, and thus obviate the necessity of padding.

In making cradles or slings for the arm, I apply cane at the back thereof instead of leather, gutta percha, and india-rubber, the seating of the elbow
10 only to be made in the ordinary manner with metal; or it may be formed of blocked leather, gutta percha, or other plastic material which will become firm or solid after the process of manufacture. These splints may be made of any size or shape to suit the various applications for which they are required, whether for the arm, leg, or thigh, or other portion of the body.

15 Having now described the nature of my said Invention and the manner in which the same is to be performed, I would remark in conclusion that I do not limit myself to the exact details herein expressed, as the same may obviously be varied or modified without departing from the principle of the Invention; but what I claim and desire to be secured to me by the herein
20 in part recited Letters Patent is, the application of cane to the manufacture of splints, substantially in the manner described and set forth.

In witness whereof, I, the said Emma Louisa Duncan, have hereunto set my hand and seal, this Fourth day of March, in the year of our Lord One thousand eight hundred and sixty-three.

25 EMMA LOUISA DUNCAN. (L.S.)

Witness,

ALEX. PRINCE,

Office for Patents,

4, Trafalgar Square,

30 Charing Cross.

LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1863.

